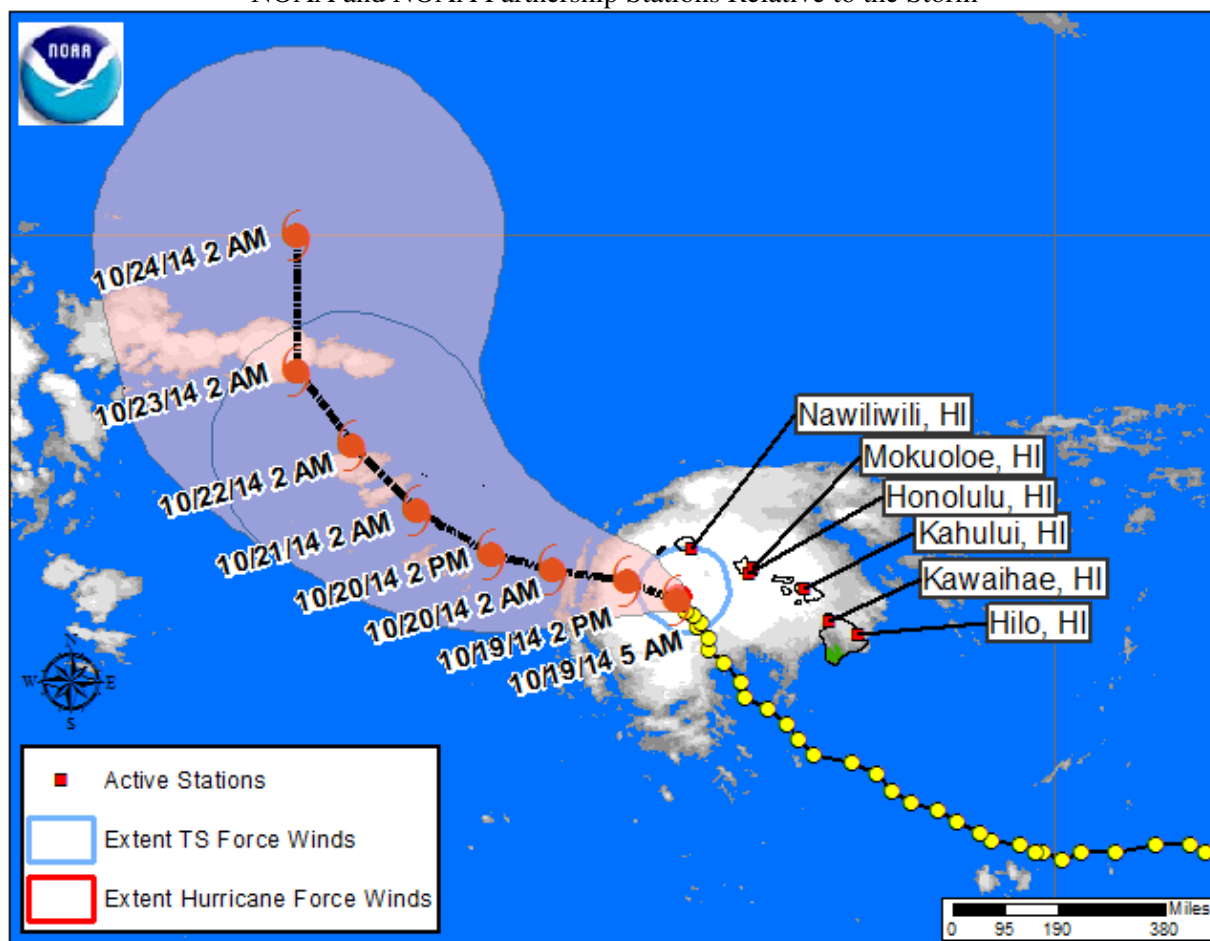




Hurricane ANA QuickLook
Posted: 06:00 HST 10/19/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/19/2014 06:00 HST, water levels at Nawiliwili(Kauai) and across the other main Hawaiian Islands are slightly elevated and range between 0.1 and 0.5 feet above predicted tide levels. While there are no winds available on Kauai, winds are currently weak across all Hawaiian Islands. Barometric pressure is rising across the Islands.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: KG

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ANA ADVISORY NUMBER 24
500 AM HST SUN OCT 19 2014

...ANA SOUTH OF KAUAI AND CRAWLING SLOWLY TOWARD THE
WEST-NORTHWEST...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WATCH IS DISCONTINUED FOR THE ISLAND OF OAHU.

A TROPICAL STORM WARNING HAS BEEN ISSUED FOR PORTIONS OF THE
PAPAHANAUMOKUAKEA MARINE NATIONAL MONUMENT...FROM NIHOA TO FRENCH
FRIGATE SHOALS.

A HURRICANE WATCH HAS BEEN ISSUED FOR PORTIONS OF THE PAPAHANAUMOKUAKEA
MARINE NATIONAL MONUMENT...FROM FRENCH FRIGATE SHOALS TO MARO REEF.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * KAUAI COUNTY INCLUDING THE ISLANDS OF KAUAI AND NIIHAU
- * PORTIONS OF THE PAPAHANAUMOKUAKEA MARINE NATIONAL MONUMENT...FROM
NIHOA TO FRENCH FRIGATE SHOALS.

A HURRICANE WATCH IS IN EFFECT FOR...

- * PORTIONS OF THE PAPAHANAUMOKUAKEA MARINE NATIONAL MONUMENT...FROM
NIHOA TO MARO REEF.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA. FOR KAUAI COUNTY... THESE CONDITIONS ARE
EXPECTED WITHIN THE NEXT 12 HOURS. FOR THE MARINE NATIONAL MONUMENT...THESE
CONDITIONS ARE EXPECTED WITHIN THE NEXT 24 TO 36 HOURS.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE
WATCH AREA.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED
BY THE NATIONAL WEATHER SERVICE OFFICE IN
HONOLULU HAWAII.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM HST...THE CENTER OF HURRICANE ANA WAS LOCATED NEAR LATITUDE 20.6
NORTH... LONGITUDE 159.7 WEST. ANA IS MOVING

TOWARD THE WEST-NORTHWEST NEAR 5 MPH...7 KM/H. THIS MOTION IS EXPECTED TO CONTINUE THROUGH THE NEXT 48 HOURS...WITH SOME INCREASE IN FORWARD SPEED ON MONDAY. ON THE FORECAST TRACK...THE CENTER OF ANA WILL PASS ABOUT 70 MILES SOUTH OF NIIHAU THIS MORNING...120 MILES SOUTH OF NIHOA TONIGHT...90 MILES SOUTHWEST OF NECKER ISLAND MONDAY NIGHT...AND NEAR FRENCH FRIGATE SHOALS EARLY TUESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 80 MPH...WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT 48 HOURS.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 25 MILES...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 989 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED OVER KAUAI COUNTY TODAY...AND OVER NIHOA TONIGHT. TROPICAL STORM CONDITIONS ARE EXPECTED OVER NECKER ISLAND...FRENCH FRIGATE SHOALS...AND TERN ISLAND MONDAY NIGHT. HURRICANE CONDITIONS ARE POSSIBLE OVER FRENCH FRIGATE SHOALS AND TERN ISLAND MONDAY NIGHT.

SURF...LARGE SWELLS PRODUCED BY ANA WILL CONTINUE TO IMPACT MOST OF THE MAIN HAWAIIAN ISLANDS TODAY...AND WILL REACH THE NORTHWEST HAWAIIAN ISLANDS LATER TODAY AND TONIGHT. SURF PRODUCED BY THESE SWELLS COULD POTENTIALLY BE DAMAGING ALONG EXPOSED SOUTHERN AND SOUTHEASTERN SHORELINES.

RAINFALL...ANA IS EXPECTED TO BRING TOTAL RAINFALL AMOUNTS OF 3 TO 6 INCHES...WITH LOCAL AMOUNTS UP TO 8 INCHES...OVER KAUAI AND NIIHAU. RAINFALL ASSOCIATED WITH ANA WILL MOVE OVER THE SMALLER ISLANDS FROM NIIHAU TO MAUI TODAY. RAINFALL WILL GRADUALLY DIMINISH LATER IN THE DAY OVER OAHU AND MAUI. RAINFALL AMOUNTS OF 4 TO 8 INCHES...WITH LOCAL AMOUNTS OF 12 INCHES...ARE POSSIBLE OVER THE NORTHWEST HAWAIIAN ISLANDS ALONG AND NEAR THE TRACK OF THE CENTER OF ANA.

\$\$

FORECASTER R BALLARD/BIRCHARD

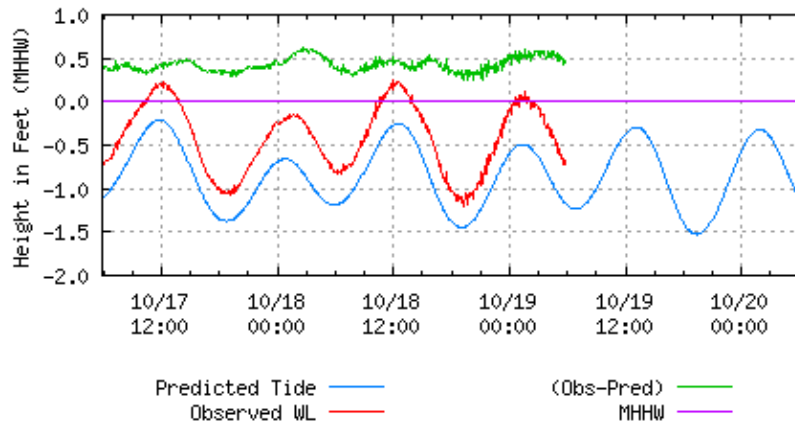
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Nawiliwili - Water Level](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#)

Hurricane ANA QuickLook, POSTED 06:00 HST 10/19/2014

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 10/19/2014 05:48 (HST). Data relative to MHHW

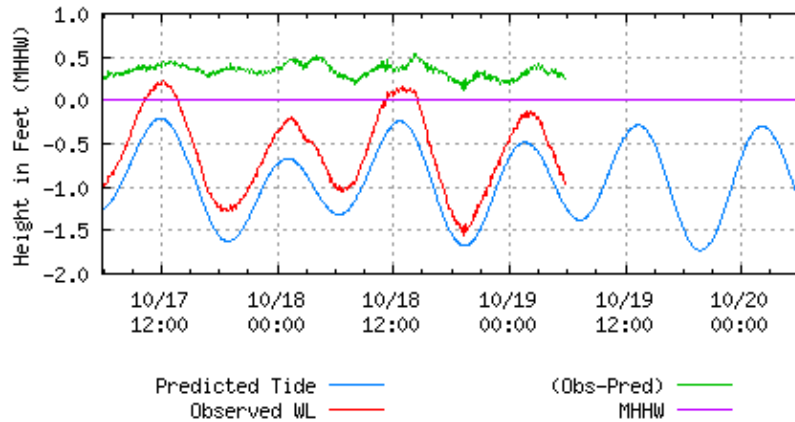
Observed: -0.72 ft. Predicted: -1.17 ft. Residual: 0.45 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 10/19/2014 13:06 (HST), -0.30 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 10/19/2014 05:42 (HST). Data relative to MHHW

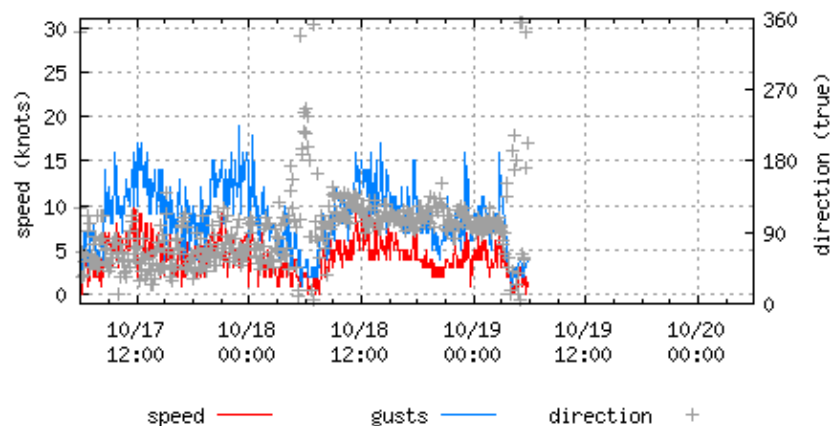
Observed: -0.96 ft. Predicted: -1.21 ft. Residual: 0.25 ft.

Historical Maximum Water Level: Feb 14 1967, 1.49 ft.

Next High Tide: 10/19/2014 13:18 (HST), -0.28 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Wind Speed / Gusts / Direction

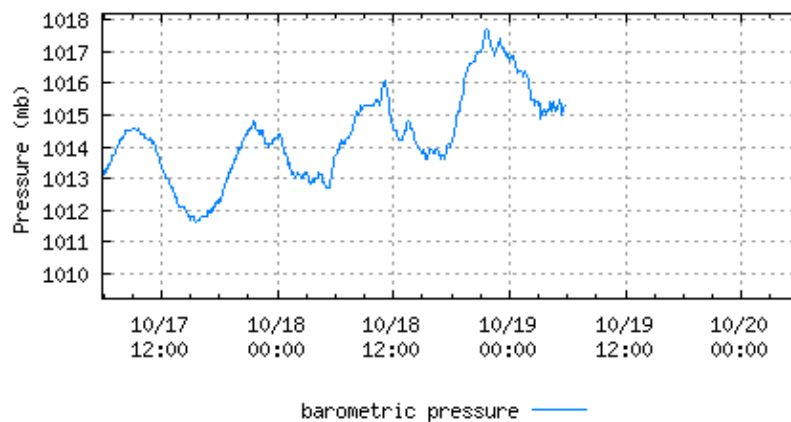


Last Observed Sample: 10/19/2014 05:42 (HST)

Wind Speed: 1 knots Gusts: 4 knots Direction: 204° T

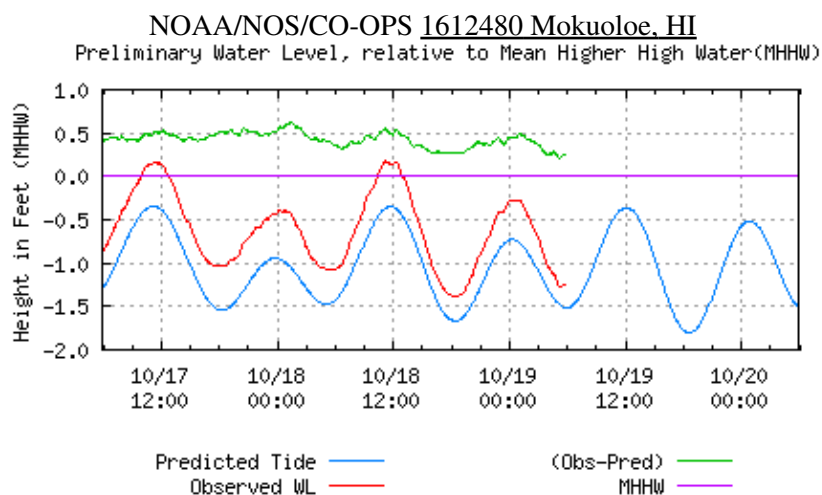
NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Barometric Pressure



Last Observed Sample: 10/19/2014 05:42 (HST)

Barometric Pressure: 1015.3 mb

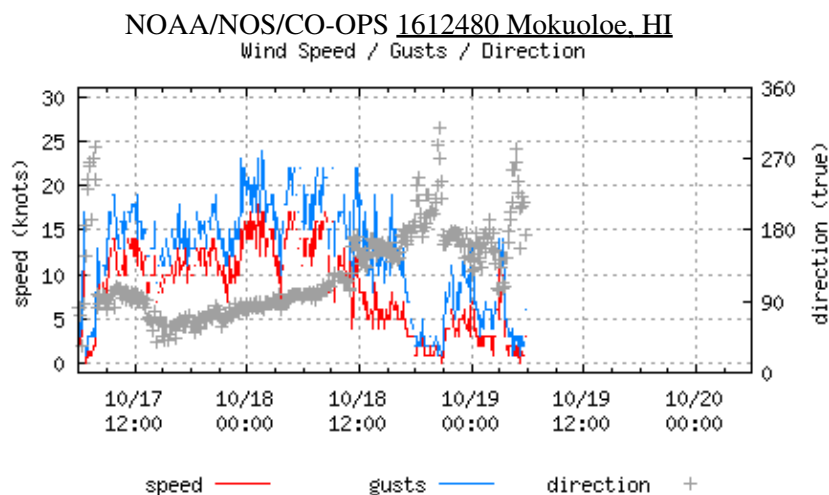


Last Observed Sample: 10/19/2014 05:42 (HST). Data relative to MHHW

Observed: -1.26 ft. Predicted: -1.51 ft. Residual: 0.25 ft.

Historical Maximum Water Level: Jan 8 1974, 1.46 ft.

Next High Tide: 10/19/2014 12:06 (HST), -0.36 ft.

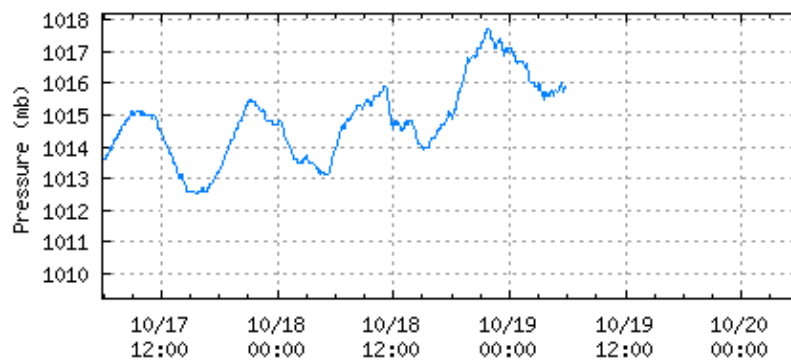


Last Observed Sample: 10/19/2014 05:42 (HST)

Wind Speed: 3 knots Gusts: 6 knots Direction: 175° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

Barometric Pressure



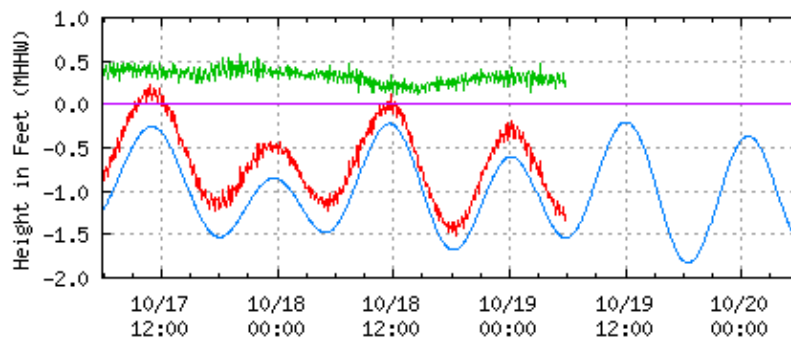
barometric pressure —

Last Observed Sample: 10/19/2014 05:42 (HST)

Barometric Pressure: 1015.9 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —

Observed WL —

(Obs-Pred) —

MHHW —

Last Observed Sample: 10/19/2014 05:42 (HST). Data relative to MHHW

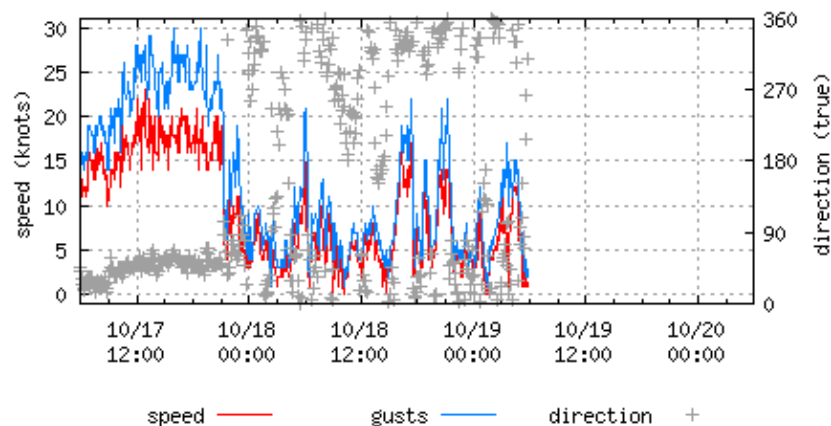
Observed: -1.33 ft. Predicted: -1.54 ft. Residual: 0.21 ft.

Historical Maximum Water Level: Dec 20 1968, 1.23 ft.

Next High Tide: 10/19/2014 12:03 (HST), -0.21 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Wind Speed / Gusts / Direction

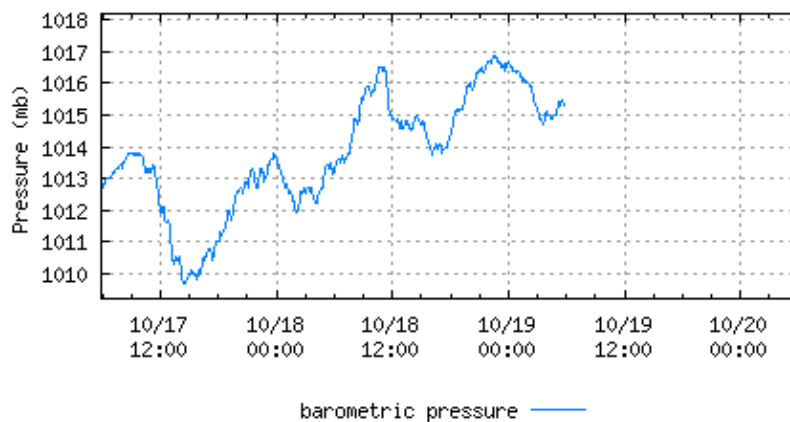


Last Observed Sample: 10/19/2014 05:42 (HST)

Wind Speed: 1 knots Gusts: 2 knots Direction: 310° T

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

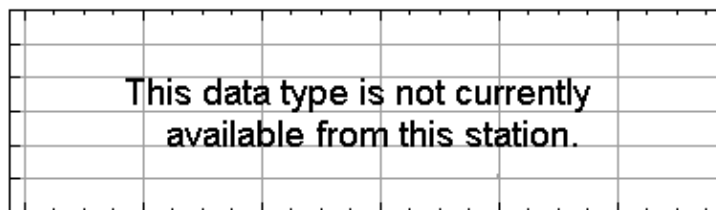
Barometric Pressure



Last Observed Sample: 10/19/2014 05:42 (HST)

Barometric Pressure: 1015.3 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI
NOAA/NOS/CO-OPS



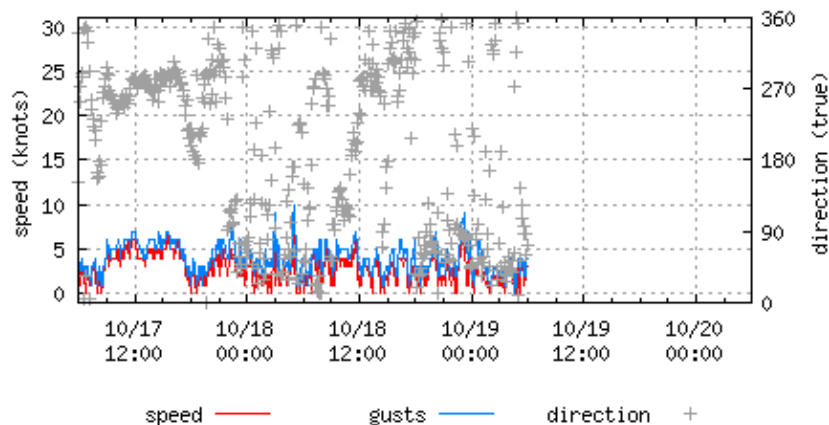
Last Observed Sample: 10/19/2014 05:54 (HST). Data relative to MHHW

Observed: -1.06 ft. Predicted: -1.58 ft. Residual: 0.52 ft.

Historical Maximum Water Level: Dec 13 2008, 1.22 ft.

Next High Tide: 10/19/2014 13:22 (HST), -0.50 ft.

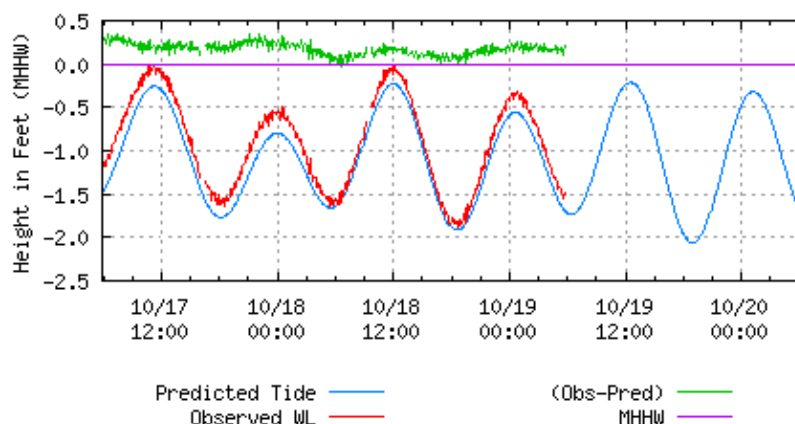
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI
Wind Speed / Gusts / Direction



Last Observed Sample: 10/19/2014 05:54 (HST)

Wind Speed: 3 knots Gusts: 4 knots Direction: 73° T

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



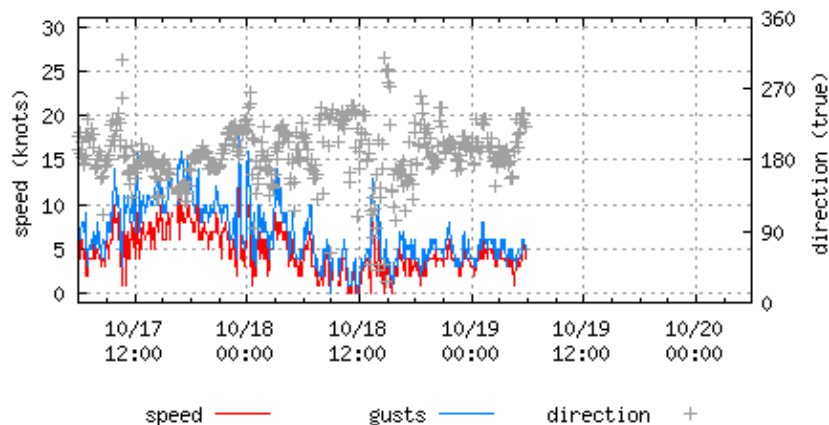
Last Observed Sample: 10/19/2014 05:42 (HST). Data relative to MHHW

Observed: -1.48 ft. Predicted: -1.69 ft. Residual: 0.21 ft.

Historical Maximum Water Level: Jan 20 1981, 1.37 ft.

Next High Tide: 10/19/2014 12:33 (HST), -0.21 ft.

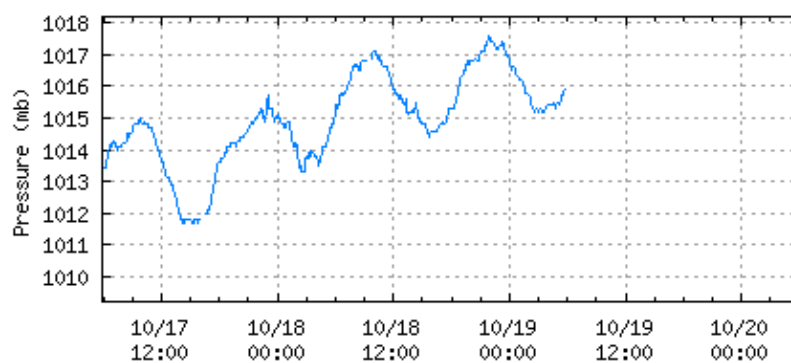
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Wind Speed / Gusts / Direction



Last Observed Sample: 10/19/2014 05:42 (HST)

Wind Speed: 4 knots Gusts: 5 knots Direction: 223° T

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Barometric Pressure



barometric pressure —

Last Observed Sample: 10/19/2014 05:42 (HST)

Barometric Pressure: 1015.9 mb

Hurricane ANA QuickLook, POSTED 06:00 HST 10/19/2014

Latest Water Level Observations on MHHW

| Station ID | Station Name | Date/Time | Observed Water Level | Predicted Tide | Residual Water Level | 24 Hour Maximum Storm Tide |
|------------|----------------------------------|---------------------------|----------------------------|-------------------|----------------------------|-------------------------------------|
| 1611400 | Nawiliwili, HI | 10/19/2014 05:48 (HST) | -0.72 ft | -1.17 ft | 0.45 ft | 0.24 ft |
| 1612340 | Honolulu, HI | 10/19/2014 05:42 (HST) | -0.96 ft | -1.21 ft | 0.25 ft | 0.16 ft |
| 1612480 | Mokuoloe, HI | 10/19/2014 05:42 (HST) | -1.26 ft | -1.51 ft | 0.25 ft | 0.18 ft |
| 1615680 | Kahului, Kahului Harbor, HI | 10/19/2014 05:42 (HST) | -1.33 ft | -1.54 ft | 0.21 ft | 0.11 ft |
| 1617433 | Kawaihae, HI | 10/19/2014 05:54 (HST) | -1.06 ft | -1.58 ft | 0.52 ft | -0.06 ft |
| 1617760 | Hilo, Hilo Bay, Kuhio Bay, HI | 10/19/2014 05:42 (HST) | -1.48 ft | -1.69 ft | 0.21 ft | -0.03 ft |

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce